



June 2008

**DEPARTMENT OF EDUCATION**  
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2008  
Code: 12431677  
SAU: MSAD 49  
School: Lawrence Jr High School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores .....	2
Summary of Student Participation .....	3
English Language Arts – Reading Results .....	4-6
Mathematics Results .....	7-9
Science and Technology Results .....	10-12

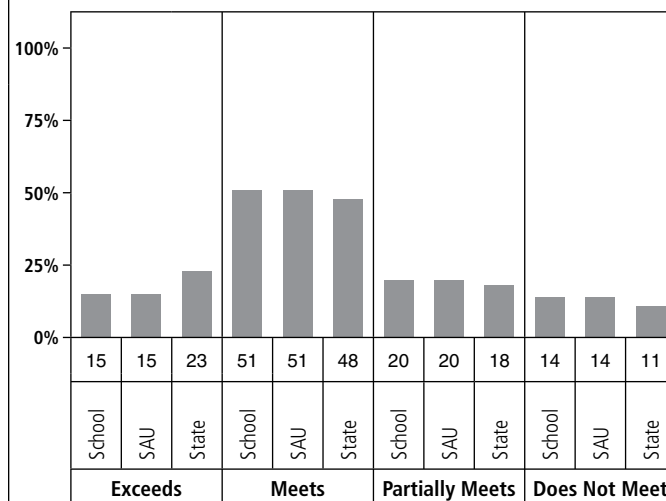
# SUMMARY OF SCORES

Test Date: March 2008  
Grade: 8  
SAU: MSAD 49  
School: Lawrence Jr High School

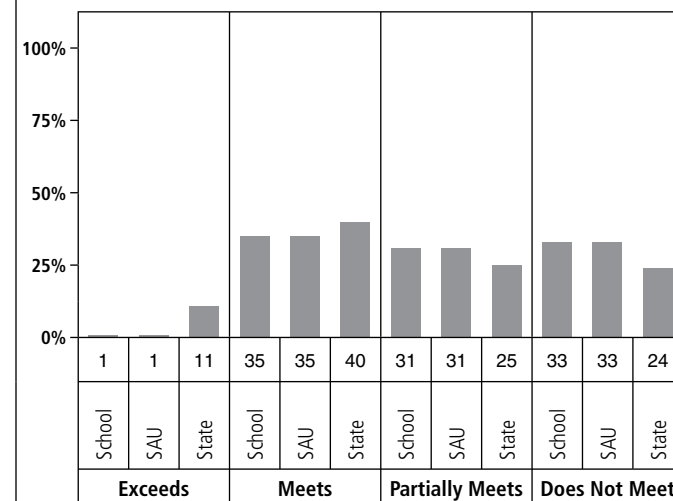
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2005–2006	845	844	845
2006–2007	846	845	847
<b>2007–2008</b>	<b>846</b>	<b>846</b>	<b>849</b>
Cum. Avg. *	846	845	847
<b>Mathematics</b>			
2005–2006	836	836	840
2006–2007	837	836	842
<b>2007–2008</b>	<b>835</b>	<b>835</b>	<b>841</b>
Cum. Avg. *	836	836	841
<b>Science &amp; Technology</b>			
2005–2006	845	845	846
2006–2007	847	846	847
<b>2007–2008</b>	<b>843</b>	<b>843</b>	<b>847</b>
Cum. Avg. *	845	845	847

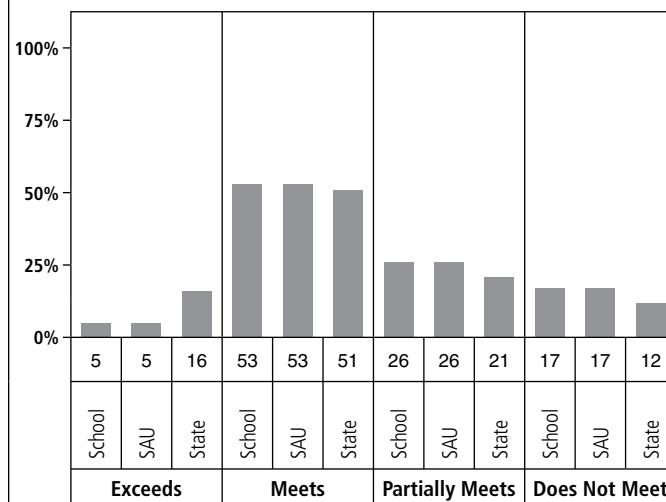
## ELA – READING



## MATHEMATICS



## SCIENCE AND TECHNOLOGY



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 49  
 School: Lawrence Jr High School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	192	100	192	100	15274	100	192	100	192	100	15102	99	192	100	192	100	15097	99	192	100	192	100	15080	99						
Ethnicity African American/Black	2	1	2	1	368	2	2	100	2	100	356	97	2	100	2	100	360	98	2	100	2	100	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	1	1	1	1	186	1	1	100	1	100	181	97	1	100	1	100	182	98	1	100	1	100	182	98						
Hispanic	1	1	1	1	139	1	1	100	1	100	136	98	1	100	1	100	136	98	1	100	1	100	136	98						
Caucasian/White	188	98	188	98	14461	95	188	100	188	100	14312	99	188	100	188	100	14302	99	188	100	188	100	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	35	18	35	18	2508	16	35	100	35	100	2446	98	35	100	35	100	2441	98	35	100	35	100	2431	98						
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99						
Economically disadvantaged	79	41	79	41	5420	35	79	100	79	100	5329	99	79	100	79	100	5324	99	79	100	79	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	156	81	156	81	12703	83	157	82	157	82	12694	83	157	82	157	82	12710	83						
Identified disability (PET/IEP)	2	1	2	1	437	3	3	2	3	2	421	3	3	2	3	2	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	2	1	2	1	229	2	2	1	2	1	231	2	2	1	2	1	230	2						
Participation with accommodations	36	19	36	19	2221	15	35	18	35	18	2227	15	35	18	35	18	2197	14						
Identified disability (PET/IEP)	33	92	33	92	1832	82	32	91	32	91	1844	83	32	91	32	91	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	3	8	3	8	213	10	3	9	3	9	202	9	3	9	3	9	204	9						
Participation through alternate assessment (PAAP)	0	0	0	0	177	1	0	0	0	0	176	1	0	0	0	0	173	1						
Identified disability (PET/IEP)	0	0	0	0	177	100	0	0	0	0	176	100	0	0	0	0	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	0	0	0	0	140	1	0	0	0	0	143	1	0	0	0	0	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 49  
School: Lawrence Jr High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	28	13	28	12	2695	17
	2006-2007	27	15	27	14	2407	16
	<b>2007-2008</b>	<b>29</b>	<b>15</b>	<b>29</b>	<b>15</b>	<b>3428</b>	<b>23</b>
	Cum. Total*	84	14	84	14	8530	18
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	104	47	105	46	6830	42
	2006-2007	85	46	85	45	7494	49
	<b>2007-2008</b>	<b>98</b>	<b>51</b>	<b>98</b>	<b>51</b>	<b>7179</b>	<b>48</b>
	Cum. Total*	287	48	288	47	21503	46
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	53	24	54	23	3741	23
	2006-2007	47	26	49	26	3628	24
	<b>2007-2008</b>	<b>39</b>	<b>20</b>	<b>39</b>	<b>20</b>	<b>2706</b>	<b>18</b>
	Cum. Total*	139	23	142	23	10075	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	37	17	43	19	3003	18
	2006-2007	24	13	29	15	1810	12
	<b>2007-2008</b>	<b>26</b>	<b>14</b>	<b>26</b>	<b>14</b>	<b>1611</b>	<b>11</b>
	Cum. Total*	87	15	98	16	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Total Reading Cluster</b>	<b>56</b>	<b>100</b>	35.0	62.5	35.0	62.5	36.9	65.9
<b>Literary Text</b>	<b>28</b>	<b>50</b>	17.3	61.8	17.3	61.8	18.3	65.4
<b>Informational Text</b>	<b>28</b>	<b>50</b>	17.7	63.2	17.7	63.2	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 49  
 School: Lawrence Jr High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	192	29	15	98	51	39	20	26	14	846	192	15	51	20	14	846	14924	23	48	18	11	849
<b>Ethnicity</b>																						
African American/Black	2										2						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	1										1						179	32	39	18	11	852
Hispanic	1										1						131	18	38	27	17	846
Caucasian/White	188	29	15	96	51	38	20	25	13	846	188	15	51	20	13	846	14149	23	49	18	10	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	35	0	0	7	20	11	31	17	49	831	35	0	20	31	49	831	2269	3	24	32	42	833
No	157	29	18	91	58	28	18	9	6	850	157	18	58	18	6	850	12655	27	52	16	5	852
<b>Current LEP</b>																						
Yes	0										0						308	8	30	27	34	837
No	192	29	15	98	51	39	20	26	14	846	192	15	51	20	14	846	14616	23	48	18	10	850
<b>Economically disadvantaged</b>																						
Yes	79	11	14	28	35	22	28	18	23	842	79	14	35	28	23	842	5222	12	44	25	19	843
No	113	18	16	70	62	17	15	8	7	849	113	16	62	15	7	849	9702	29	50	14	7	853
<b>Migrant</b>																						
Yes	0										0						7	0	86	0	14	850
No	192	29	15	98	51	39	20	26	14	846	192	15	51	20	14	846	14917	23	48	18	11	849
<b>Gender</b>																						
Female	104	24	23	52	50	21	20	7	7	850	104	23	50	20	7	850	7198	30	48	15	7	853
Male	88	5	6	46	52	18	20	19	22	843	88	6	52	20	22	843	7726	17	49	21	14	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						807	9	41	32	18	842
No	192	29	15	98	51	39	20	26	14	846	192	15	51	20	14	846	14117	24	49	17	10	850
<b>Gifted/talented program</b>																						
Yes	0										0						592	71	28	1	0	867
No	192	29	15	98	51	39	20	26	14	846	192	15	51	20	14	846	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA–READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 49  
School: Lawrence Jr High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E		M		P		D		Mean Scaled Score		
		%	N	%	N	%	N	%	N			%	%	%	%	%	%	%	%		%	
How much homework do you do on school nights?																						
A. none	11	1	5	6	32	6	32	6	32	838	11	5	32	32	32	838	9	10	39	24	26	841
B. less than one hour	49	12	14	47	55	18	21	9	10	846	49	14	55	21	10	846	46	20	50	20	11	849
C. one to two hours	38	12	18	37	56	10	15	7	11	849	38	18	56	15	11	849	41	28	49	15	7	852
D. more than two hours	3	1	20	1	20	0	0	3	60	836	3	20	20	0	60	836	5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	40	10	14	38	54	15	21	7	10	847	40	14	54	21	10	847	33	31	48	14	7	853
B. They match some of what I have learned.	48	16	19	45	53	15	18	9	11	848	48	19	53	18	11	848	53	21	51	19	9	849
C. They match just a little of what I have learned.	10	0	0	7	41	2	12	8	47	836	10	0	41	12	47	836	11	14	41	25	20	844
D. There is no match.	2	0	0	1	25	2	50	1	25	838	2	0	25	50	25	838	3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	28	17	35	25	51	2	4	5	10	853	28	35	51	4	10	853	31	42	44	8	6	857
B. good	57	9	9	53	53	24	24	14	14	845	57	9	53	24	14	845	49	19	54	19	9	849
C. fair	14	0	0	13	52	7	28	5	20	841	14	0	52	28	20	841	18	5	42	31	22	840
D. poor	1	0	0	0	0	1	50	1	50	826	1	0	0	50	50	826	2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	10	1	6	10	56	4	22	3	17	846	10	6	56	22	17	846	15	16	44	22	18	845
B. about the same as my regular schoolwork	75	21	16	67	51	27	20	17	13	846	75	16	51	20	13	846	65	23	49	18	9	850
C. easier than my regular schoolwork	15	4	15	14	54	3	12	5	19	846	15	15	54	12	19	846	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	7	0	0	4	31	4	31	5	38	834	7	0	31	31	38	834	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	59	14	14	51	50	23	22	15	15	845	59	14	50	22	15	845	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	33	11	19	35	60	7	12	5	9	851	33	19	60	12	9	851	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	49	11	13	44	52	16	19	13	15	846	49	13	52	19	15	846	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	49	15	18	42	49	17	20	11	13	847	49	18	49	20	13	847	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	2	0	0	3	75	0	0	1	25	847	2	0	75	0	25	847	6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	12	4	19	11	52	4	19	2	10	848	12	19	52	19	10	848	18	31	47	13	9	852
B. 20 minutes to an hour	66	19	16	70	60	16	14	12	10	849	66	16	60	14	10	849	41	28	49	15	7	852
C. less than 20 minutes	4	1	14	3	43	1	14	2	29	843	4	14	43	14	29	843	13	20	49	18	12	848
D. I rarely read at home.	18	2	6	7	23	13	42	9	29	835	18	6	23	42	29	835	28	12	47	26	16	844
How do you feel about the following statement? “My knowledge of reading will be useful to me as an adult.”																						
A. strongly agree	43	15	20	45	60	10	13	5	7	851	43	20	60	13	7	851	43	31	48	14	7	853
B. agree	48	11	13	40	47	20	24	14	16	844	48	13	47	24	16	844	48	18	50	20	12	848
C. disagree	9	0	0	6	40	3	20	6	40	837	9	0	40	20	40	837	6	11	43	24	21	843
D. strongly disagree	1	0	0	0	0	1	100	0	0	832	1	0	0	100	0	832	2	6	36	32	26	839
Optional school/SAU question																						
A.	30	0	0	1	33	0	0	2	67	834	30	0	33	0	67	834						
B.	40	0	0	1	25	2	50	1	25	836	40	0	25	50	25	836						
C.	10	0	0	0	0	0	0	1	100	828	10	0	0	0	100	828						
D.	20	0	0	0	0	0	0	2	100	816	20	0	0	0	100	816						

# MATHEMATICS RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 49  
School: Lawrence Jr High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	10	4	10	4	1714	11
	2006-2007	8	4	8	4	1952	13
	<b>2007-2008</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1657</b>	<b>11</b>
	Cum. Total*	20	3	20	3	5323	11
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	59	26	59	26	5533	34
	2006-2007	62	34	62	33	5870	38
	<b>2007-2008</b>	<b>68</b>	<b>35</b>	<b>68</b>	<b>35</b>	<b>5956</b>	<b>40</b>
	Cum. Total*	189	32	189	31	17359	37
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	86	39	90	39	4764	29
	2006-2007	66	36	66	35	3982	26
	<b>2007-2008</b>	<b>59</b>	<b>31</b>	<b>59</b>	<b>31</b>	<b>3729</b>	<b>25</b>
	Cum. Total*	211	35	215	35	12475	27
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	68	30	72	31	4251	26
	2006-2007	47	26	54	28	3534	23
	<b>2007-2008</b>	<b>63</b>	<b>33</b>	<b>63</b>	<b>33</b>	<b>3579</b>	<b>24</b>
	Cum. Total*	178	30	189	31	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Cluster 1: Numbers and Operations</b>	<b>16</b>	<b>29</b>	7.0	43.8	7.0	43.8	8.4	52.5
<b>Cluster 2: Shape and Size</b>	<b>14</b>	<b>25</b>	5.2	37.1	5.2	37.1	5.9	42.1
<b>Cluster 3: Mathematical Decision Making</b>	<b>8</b>	<b>14</b>	4.4	55.0	4.4	55.0	4.6	57.5
<b>Cluster 4: Patterns</b>	<b>18</b>	<b>32</b>	7.0	38.9	7.0	38.9	8.9	49.4

- Cluster 1: Numbers and Operations**  
 A. Numbers and Number Sense  
 B. Computation  
 I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**  
 E. Geometry  
 F. Measurement
- Cluster 3: Mathematical Decision Making**  
 C. Data Analysis and Statistics  
 D. Probability
- Cluster 4: Patterns**  
 G. Patterns, Relations, and Functions  
 H. Algebra Concepts  
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 49  
 School: Lawrence Jr High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	192	2	1	68	35	59	31	63	33	835	192	1	35	31	33	835	14921	11	40	25	24	841
<b>Ethnicity</b>																						
African American/Black	2										2						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	1										1						181	24	42	20	14	848
Hispanic	1										1						131	7	34	26	33	836
Caucasian/White	188	2	1	66	35	58	31	62	33	835	188	1	35	31	33	835	14140	11	41	25	23	841
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	35	0	0	4	11	9	26	22	63	824	35	0	11	26	63	824	2265	1	14	22	62	824
No	157	2	1	64	41	50	32	41	26	837	157	1	41	32	26	837	12656	13	45	26	17	844
<b>Current LEP</b>																						
Yes	0										0						315	5	24	20	51	828
No	192	2	1	68	35	59	31	63	33	835	192	1	35	31	33	835	14606	11	40	25	23	841
<b>Economically disadvantaged</b>																						
Yes	79	1	1	21	27	18	23	39	49	830	79	1	27	23	49	830	5217	5	30	29	37	834
No	113	1	1	47	42	41	36	24	21	839	113	1	42	36	21	839	9704	15	45	23	17	845
<b>Migrant</b>																						
Yes	0										0						7	0	43	43	14	838
No	192	2	1	68	35	59	31	63	33	835	192	1	35	31	33	835	14914	11	40	25	24	841
<b>Gender</b>																						
Female	104	1	1	37	36	34	33	32	31	836	104	1	36	33	31	836	7199	11	40	26	23	841
Male	88	1	1	31	35	25	28	31	35	834	88	1	35	28	35	834	7722	11	40	24	25	841
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						806	3	20	30	47	831
No	192	2	1	68	35	59	31	63	33	835	192	1	35	31	33	835	14115	12	41	25	23	842
<b>Gifted/talented program</b>																						
Yes	0										0						592	58	39	2	1	864
No	192	2	1	68	35	59	31	63	33	835	192	1	35	31	33	835	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 49  
School: Lawrence Jr High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights?																						
A. none	11	0	0	3	16	5	26	11	58	826	11	0	16	26	58	826	9	5	30	23	41	833
B. less than one hour	49	1	1	28	33	31	36	26	30	835	49	1	33	36	30	835	46	10	40	26	25	840
C. one to two hours	38	1	2	28	42	17	26	20	30	837	38	2	42	26	30	837	41	14	42	25	19	843
D. more than two hours	3	0	0	1	20	2	40	2	40	831	3	0	20	40	40	831	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	24	1	2	19	44	11	26	12	28	838	24	2	44	26	28	838	30	17	43	22	18	845
B. They match some of what I have learned.	45	1	1	25	31	27	34	27	34	834	45	1	31	34	34	834	50	10	42	26	22	841
C. They match just a little of what I have learned.	23	0	0	13	33	13	33	14	35	835	23	0	33	33	35	835	17	6	32	29	33	836
D. There is no match.	7	0	0	3	23	4	31	6	46	829	7	0	23	31	46	829	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	20	2	6	21	60	7	20	5	14	845	20	6	60	20	14	845	26	29	46	14	11	851
B. good	44	0	0	29	37	23	29	26	33	834	44	0	37	29	33	834	45	7	46	27	20	841
C. fair	29	0	0	9	18	20	39	22	43	830	29	0	18	39	43	830	23	1	26	34	38	833
D. poor	7	0	0	1	8	5	42	6	50	830	7	0	8	42	50	830	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	47	0	0	25	31	23	29	32	40	832	47	0	31	29	40	832	34	4	35	28	32	836
B. about the same as my regular schoolwork	50	2	2	34	40	26	30	24	28	837	50	2	40	30	28	837	52	10	43	26	21	842
C. easier than my regular schoolwork	3	0	0	1	17	4	67	1	17	834	3	0	17	67	17	834	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	47	1	1	26	33	25	31	28	35	834	47	1	33	31	35	834	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	46	1	1	29	37	22	28	26	33	836	46	1	37	28	33	836	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	7	0	0	3	25	5	42	4	33	831	7	0	25	42	33	831	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	10	0	0	3	18	5	29	9	53	826	10	0	18	29	53	826	9	6	38	27	29	837
B. two or three days a week	9	0	0	3	19	4	25	9	56	829	9	0	19	25	56	829	16	8	38	27	27	839
C. two or three times each month	42	0	0	32	43	27	36	15	20	838	42	0	43	36	20	838	28	12	41	27	21	843
D. never or almost never	39	2	3	22	32	19	28	26	38	834	39	3	32	28	38	834	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	15	0	0	7	26	5	19	15	56	829	15	0	26	19	56	829	38	14	42	23	21	843
B. two or three times a week	43	0	0	28	37	27	36	21	28	836	43	0	37	36	28	836	33	10	41	26	23	841
C. two or three times each month	33	1	2	19	33	19	33	18	32	836	33	2	33	33	32	836	18	10	36	27	27	840
D. never or almost never	9	1	7	6	40	4	27	4	27	836	9	7	40	27	27	836	11	7	34	26	33	836
How do you feel about the following statement?																						
“My knowledge of mathematics will be useful to me as an adult.”																						
A. strongly agree	49	2	2	37	43	26	30	22	25	838	49	2	43	30	25	838	54	14	44	23	18	844
B. agree	42	0	0	18	24	25	34	31	42	831	42	0	24	34	42	831	38	8	36	27	28	838
C. disagree	7	0	0	5	42	2	17	5	42	832	7	0	42	17	42	832	6	6	31	28	36	835
D. strongly disagree	2	0	0	0	0	2	67	1	33	827	2	0	0	67	33	827	2	3	23	25	49	831
Optional school/SAU question																						
A.	30	0	0	1	33	1	33	1	33	828	30	0	33	33	33	828						
B.	40	0	0	1	25	2	50	1	25	834	40	0	25	50	25	834						
C.	10	0	0	0	0	0	0	1	100	806	10	0	0	0	100	806						
D.	20	0	0	0	0	1	50	1	50	821	20	0	0	50	50	821						

# SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 49  
School: Lawrence Jr High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	17	8	17	7	1879	12
	2006-2007	16	9	16	8	2192	14
	<b>2007-2008</b>	<b>9</b>	<b>5</b>	<b>9</b>	<b>5</b>	<b>2371</b>	<b>16</b>
	Cum. Total*	42	7	42	7	6442	14
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	122	55	124	54	8604	53
	2006-2007	104	57	104	54	7916	52
	<b>2007-2008</b>	<b>101</b>	<b>53</b>	<b>101</b>	<b>53</b>	<b>7630</b>	<b>51</b>
	Cum. Total*	327	55	329	54	24150	52
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	51	23	55	24	3618	22
	2006-2007	46	25	47	25	3340	22
	<b>2007-2008</b>	<b>50</b>	<b>26</b>	<b>50</b>	<b>26</b>	<b>3175</b>	<b>21</b>
	Cum. Total*	147	25	152	25	10133	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	31	14	33	14	2174	13
	2006-2007	18	10	24	13	1865	12
	<b>2007-2008</b>	<b>32</b>	<b>17</b>	<b>32</b>	<b>17</b>	<b>1731</b>	<b>12</b>
	Cum. Total*	81	14	89	15	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.1	57.9	8.1	57.9	8.1	57.9
Cluster 2: Physical Sciences	14	25	5.6	40.0	5.6	40.0	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	7.0	50.0	7.0	50.0	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.0	57.1	8.0	57.1	8.5	60.7

## Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

## Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

## Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

## Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.



# SCIENCE AND TECHNOLOGY RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 49  
 School: Lawrence Jr High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	192	9	5	101	53	50	26	32	17	843	192	5	53	26	17	843	14907	16	51	21	12	847
<b>Ethnicity</b>																						
African American/Black	2										2						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	1										1						181	20	50	15	15	849
Hispanic	1										1						131	5	50	22	23	842
Caucasian/White	188	9	5	99	53	49	26	31	16	843	188	5	53	26	16	843	14129	16	52	21	11	848
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	35	0	0	9	26	10	29	16	46	835	35	0	26	29	46	835	2258	3	29	31	37	836
No	157	9	6	92	59	40	25	16	10	845	157	6	59	25	10	845	12649	18	55	20	7	850
<b>Current LEP</b>																						
Yes	0										0						315	4	29	25	42	834
No	192	9	5	101	53	50	26	32	17	843	192	5	53	26	17	843	14592	16	52	21	11	848
<b>Economically disadvantaged</b>																						
Yes	79	3	4	33	42	22	28	21	27	840	79	4	42	28	27	840	5206	8	45	28	20	842
No	113	6	5	68	60	28	25	11	10	845	113	5	60	25	10	845	9701	20	55	18	7	850
<b>Migrant</b>																						
Yes	0										0						7	29	57	14	0	852
No	192	9	5	101	53	50	26	32	17	843	192	5	53	26	17	843	14900	16	51	21	12	847
<b>Gender</b>																						
Female	104	4	4	54	52	28	27	18	17	843	104	4	52	27	17	843	7196	14	52	23	12	847
Male	88	5	6	47	53	22	25	14	16	844	88	6	53	25	16	844	7711	18	51	20	12	848
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						804	6	38	34	22	841
No	192	9	5	101	53	50	26	32	17	843	192	5	53	26	17	843	14103	16	52	21	11	848
<b>Gifted/talented program</b>																						
Yes	0										0						592	63	35	1	0	865
No	192	9	5	101	53	50	26	32	17	843	192	5	53	26	17	843	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE AND TECHNOLOGY RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 49  
School: Lawrence Jr High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	11	0	0	8	42	4	21	7	37	839	11	0	42	21	37	839	9	10	40	26	23	842
B. less than one hour	49	2	2	50	58	21	24	13	15	843	49	2	58	24	15	843	46	14	52	22	12	847
C. one to two hours	38	5	8	36	55	16	24	9	14	845	38	8	55	24	14	845	41	19	53	19	9	849
D. more than two hours	3	0	0	1	20	3	60	1	20	836	3	0	20	60	20	836	5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	29	4	8	26	51	10	20	11	22	843	29	8	51	20	22	843	29	19	54	19	9	849
B. They match some of what I have learned.	53	3	3	54	59	23	25	12	13	844	53	3	59	25	13	844	49	16	51	22	11	848
C. They match just a little of what I have learned.	16	0	0	11	41	10	37	6	22	840	16	0	41	37	22	840	18	13	51	23	13	846
D. There is no match.	2	0	0	3	75	1	25	0	0	851	2	0	75	25	0	851	5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	33	4	7	37	65	9	16	7	12	846	33	7	65	16	12	846	23	28	51	13	8	853
B. good	49	3	3	45	52	22	26	16	19	843	49	3	52	26	19	843	54	15	55	21	9	848
C. fair	14	0	0	7	29	10	42	7	29	837	14	0	29	42	29	837	20	5	45	32	18	842
D. poor	5	0	0	5	63	3	38	0	0	843	5	0	63	38	0	843	3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	20	2	6	19	56	8	24	5	15	843	20	6	56	24	15	843	27	15	49	22	14	846
B. about the same as my regular schoolwork	64	3	3	60	55	27	25	20	18	843	64	3	55	25	18	843	59	15	53	22	10	848
C. easier than my regular schoolwork	16	2	7	14	50	8	29	4	14	845	16	7	50	29	14	845	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	36	1	2	41	65	16	25	5	8	845	36	2	65	25	8	845	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	60	6	6	49	47	27	26	22	21	842	60	6	47	26	21	842	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	4	0	0	4	57	1	14	2	29	839	4	0	57	14	29	839	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	27	1	2	20	43	15	33	10	22	840	27	2	43	33	22	840	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	19	2	6	23	70	5	15	3	9	846	19	6	70	15	9	846	24	18	53	20	10	849
C. the course(s) described in B, plus physics	26	4	9	23	51	12	27	6	13	845	26	9	51	27	13	845	22	30	47	14	8	853
D. a life science and physical science class	28	0	0	26	54	11	23	11	23	842	28	0	54	23	23	842	29	8	52	27	14	844
How do you feel about the following statement? “My knowledge of science and technology will be useful to me as an adult.”																						
A. strongly agree	36	2	3	41	65	13	21	7	11	846	36	3	65	21	11	846	27	23	51	17	9	851
B. agree	46	4	5	40	50	24	30	12	15	842	46	5	50	30	15	842	54	15	53	21	11	847
C. disagree	15	1	4	12	44	4	15	10	37	840	15	4	44	15	37	840	15	10	50	26	14	845
D. strongly disagree	3	0	0	1	20	3	60	1	20	837	3	0	20	60	20	837	4	7	39	30	24	841
How well does the following statement reflect your future goals? “I am interested in a career related to science, technology, engineering, or mathematics.”																						
A. strongly agree	27	4	9	28	60	8	17	7	15	846	27	9	60	17	15	846	25	24	52	15	8	851
B. agree	37	2	3	33	52	17	27	12	19	842	37	3	52	27	19	842	37	15	50	22	12	847
C. disagree	28	1	2	28	58	11	23	8	17	843	28	2	58	23	17	843	26	12	53	23	12	846
D. strongly disagree	9	0	0	5	33	8	53	2	13	839	9	0	33	53	13	839	12	8	48	28	15	844
Optional school/SAU question																						
A.	30	0	0	1	33	1	33	1	33	836	30	0	33	33	33	836						
B.	40	0	0	0	0	3	75	1	25	835	40	0	0	75	25	835						
C.	10	0	0	0	0	1	100	0	0	838	10	0	0	100	0	838						
D.	20	0	0	0	0	0	0	2	100	826	20	0	0	0	100	826						

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number